

Finisar FTLX1475D3BTL Datasheet



Finisar FTLX1475D3BTL 10G 10km 1310nm Industrial Temperature Single Mode Datacom SFP+ Optical Transceiver

FTLX1475D3BTL

FTLX1475D3BTL 10Gb/s Enhanced Small Form Factor Pluggable SFP+ transceivers are designed for use in 10-Gigabit Ethernet links up to 10km over Single Mode fiber. They are compliant with SFF-8431, SFF-8432 and IEEE 802.3ae 10GBASE-LR/LW and 10G Fibre Channel 1200-SM-LL-L, and can support CPRI options 7 (9.83Gb/s) and 8 (10.137Gb/s) over 10km links. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472. The FTLX1475D3BTL uses a limiting electrical interface receiver. The optical transceiver is RoHS compliant as described in Application Note AN-2038.

Features

- Hot-pluggable SFP+ footprint
- Supports 9.83 to 10.5Gb/s bit rates
- Power dissipation < 1W
- RoHS compliant
- Single 3.3V power supply
- Maximum link length of 10km
- Uncooled 1310nm DFB laser
- Limiting electrical interface receiver
- Duplex LC connector
- Built-in digital diagnostic functions
- Industrial temperature range: -40°C to 85°C

Applications

- 10GBASE-LR/LW 10G Ethernet
- 1200-SM-LL-L 10G Fibre Channel
- CPRI Options 7 and 8

Specifications

- Distance: 10 km
- Data Rate (max): 10.5 Gb/s
- Protocol: 10x Fibre Channel Compliant 10 Gigabit Ethernet Compliant Wireless CPRI Compliant
- Low End Case Temperature (°C): -40
- High End Case Temperature (°C): 85
- Diagnostics: Digital
- Transmitter: DFB Laser
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 1310nm

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